

## LA-UR-19-22039

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Title: SSR-6 Marking, Labelling, and Placarding of transport vehicle

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Intended for: StopBox and Package Training

Issued: 2019-03-07

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# ORS

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## SSR-6 Marking, Labelling, and Placarding of transport vehicle

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April 2019



Global  
Material  
Security



## **SSR-6 Marking, Labelling, and Placarding of transport vehicle**

- Using Regulations for the Safe Transport of Radioactive Material , 2018 Edition, Specific Safety Requirements, No. SSR-6 (Rev. 1)
  - MARKING, LABELLING AND PLACARDING

## SSR-6 Marking, Labelling, and Placarding of transport vehicle

530. For each *package* or *overpack*, the UN number and proper shipping name shall be determined (see Table 1). ...

- TABLE 1. EXCERPTS FROM THE LIST OF UN NUMBERS, PROPER SHIPPING NAMES AND DESCRIPTIONS

UN No.	Proper Name
UN 2908	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE, EMPTY PACAKAGING
UN 2910	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE, LIMITED QUANTITY OF MATERIAL
UN 2915	RADIOACTIVE MATERIAL, TYPE A PACKAGE, <i>non fissile, or fissile excepted</i>
UN 3332	RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM <i>non fissile, or fissile excepted</i>
UN 2919	RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT

## SSR-6 Marking, Labelling, and Placarding of transport vehicle

### MARKING

- 531. Each *package* shall be legibly and durably marked on the outside of the *packaging* with an identification of either the *consignor* or *consignee*, or both. Each *overpack* shall be legibly and durably marked on the outside of the *overpack* with an identification of either the *consignor* or *consignee*, or both, unless these marks of all the *packages* within the *overpack* are clearly visible.

# SSR-6 Marking, Labelling, and Placarding of transport vehicle

## MARKING

532. Each *package* shall be legibly and durably marked on the outside with the UN marks as specified in Table 9. Additionally, each *overpack* shall be legibly and durably marked with the word “OVERPACK” and the UN marks as specified in Table 9, unless all the marks of the *packages* within the *overpack* are clearly visible.

TABLE 9. UN MARKING FOR PACKAGES AND OVERPACKS

Package (other than an excepted package)	UN number, preceded by the letters “UN”, and the proper shipping name
Excepted package (other than those in consignments accepted for international movement by post)	UN number, preceded by the letters “UN”
Overpack (other than an overpack containing only excepted packages)	UN number, preceded by the letters “UN” for each applicable UN number in the overpack, followed by the proper shipping name in the case of a non- excepted package

## SSR-6 Marking, Labelling, and Placarding of transport vehicle

### MARKING

- 533. Each *package* of gross mass exceeding 50 kg shall have its permissible gross mass legibly and durably marked on the outside of the *packaging*.



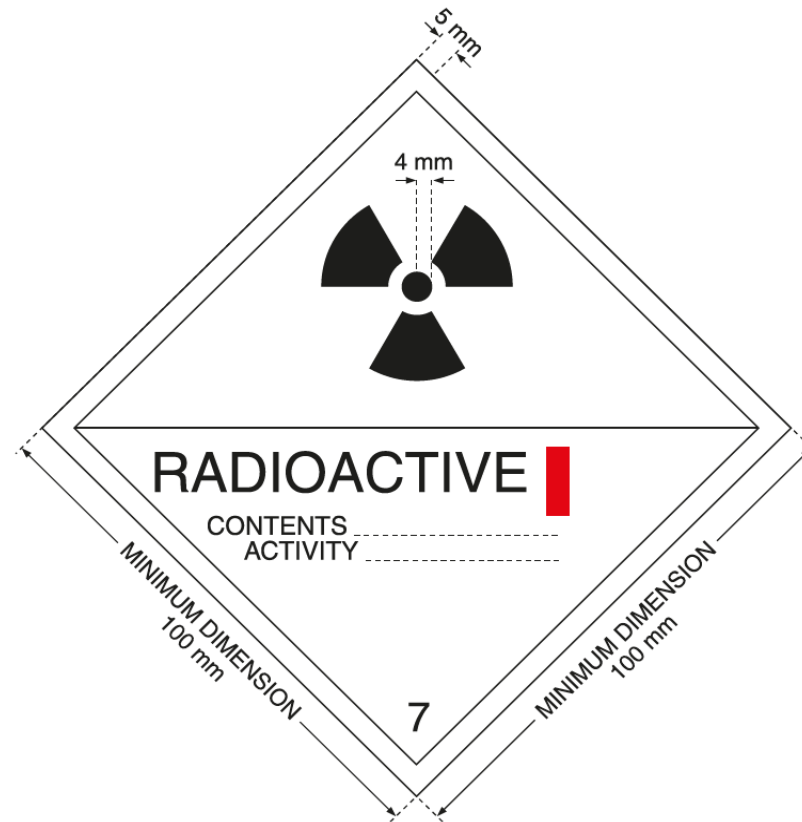
## SSR-6 Marking, Labelling, and Placarding of transport vehicle

### LABELLING

- 538. Each *package, overpack* and *freight container* shall bear the labels conforming to the applicable models in Figs 2–4, ... Any labels that do not relate to the contents shall be removed or covered. For *radioactive material* having other dangerous properties, see para. 507.
- 539. The labels conforming to the applicable models in Figs 2–4 shall be affixed to two opposite sides of the outside of a *package* or *overpack* or on the outside of all four sides of a *freight container* or *tank*.

# SSR-6 Marking, Labelling, and Placarding of transport vehicle

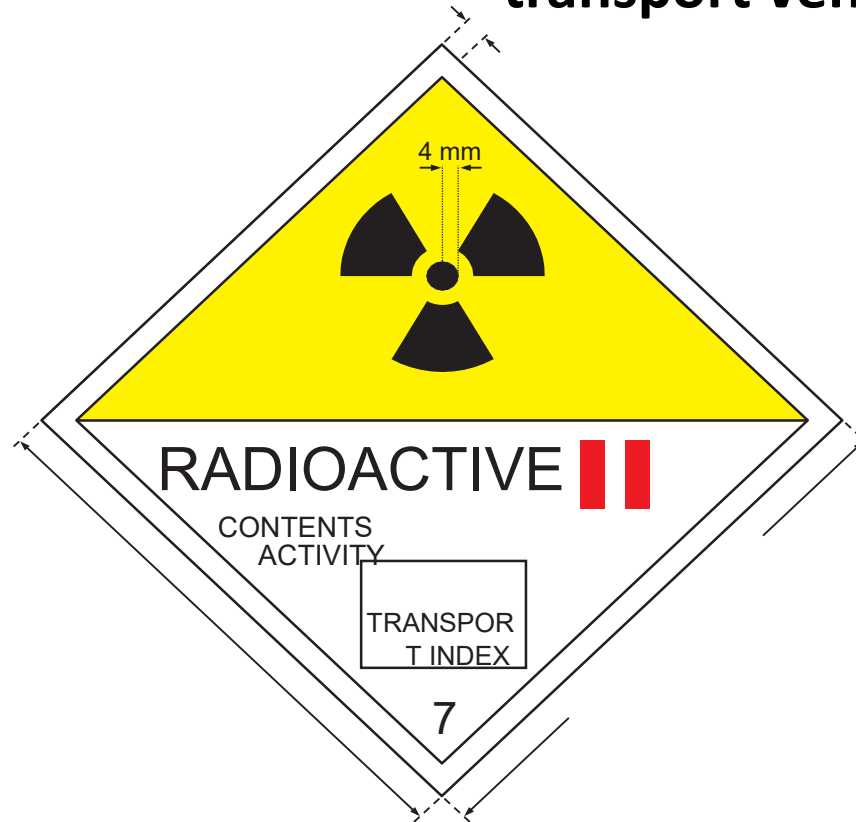
## LABELLING



- FIG. 2. Category I-WHITE label.** The minimum width of the line inside the edge forming the diamond shall be 2 mm. The background colour of the label shall be white, the colour of the trefoil and the printing shall be black, and the colour of the category bar shall be red.

# SSR-6 Marking, Labelling, and Placarding of transport vehicle

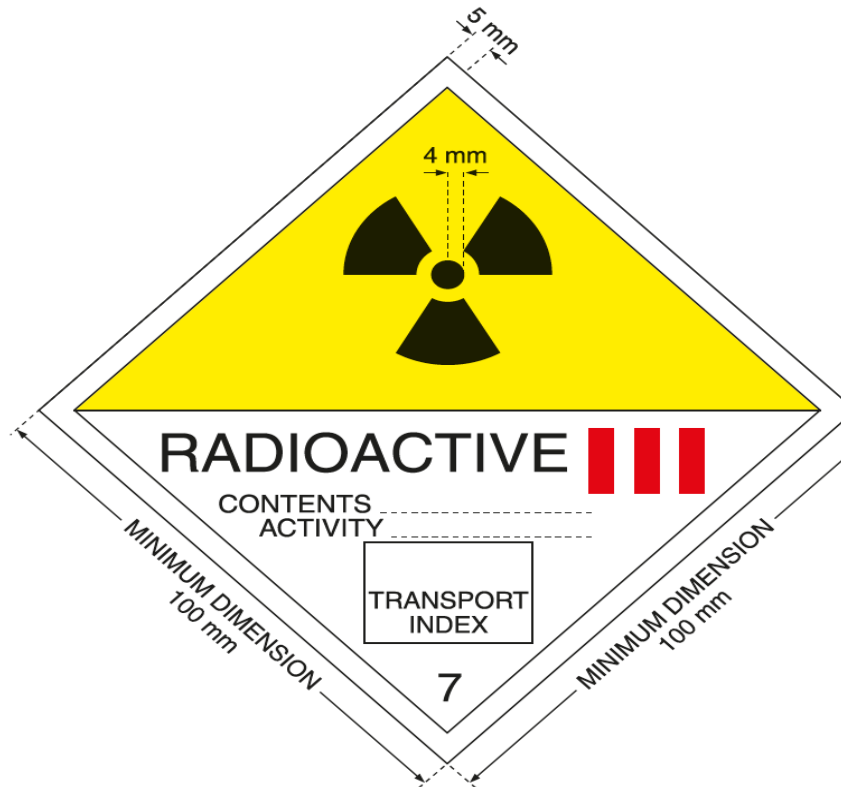
## LABELLING



- FIG. 3. Category II-YELLOW label. The minimum width of the line inside the edge forming the diamond shall be 2 mm. The background colour of the upper half of the label shall be yellow and the lower half white, the colour of the trefoil and the printing shall be black, and the colour of the category bars shall be red..

# SSR-6 Marking, Labelling, and Placarding of transport vehicle

## LABELLING



- FIG. 4. Category III-YELLOW label.** The minimum width of the line inside the edge forming the diamond shall be 2 mm. The background colour of the upper half of the label shall be yellow and the lower half white, the colour of the trefoil and the printing shall be black, and the colour of the category bars shall be red.

# Radioactive Categories

- 529. *Packages, overpacks and freight containers* shall be assigned to either category I-WHITE, II-YELLOW or III-YELLOW in accordance with the conditions specified in Table 8 and with the following requirements:
- TABLE 8. CATEGORIES OF PACKAGES, OVERPACKS AND FREIGHT CONTAINERS

Category	Maximum Radiation Level on External Surface	Transport Index (mSv/hr x 100)
I-White	$\leq 0.005$ mSv/h	0 (less than or equal to 0.05)
II-YELLOW	$> 0.005$ mSv/h $\leq 0.5$ mSv/h	0 $\leq 1$
III-YELLOW	$> 0.5$ mSv/h $\leq 2$ mSv/h	$> 1$ $\leq 10$
III-YELLOW (transported as exclusive use)	$> 2$ mSv/h $\leq 10$ mSv/h	$> 10$

# Labeling Examples





## SSR-6 Marking, Labelling, and Placarding of transport vehicle

### PLACARDING

- 571. *Vehicles carrying packages, overpacks or freight containers labelled with any of the labels shown in Figs 2–5, or carrying unpackaged LSA-I material, SCO-I or SCO-III, shall display the placard shown in Fig. 6 on each of:*
  - (a) The two external lateral walls in the case of a rail *vehicle*;
  - (b) The two external lateral walls and the external rear wall in the case of a road *vehicle*.

## SSR-6 Marking, Labelling, and Placarding of transport vehicle

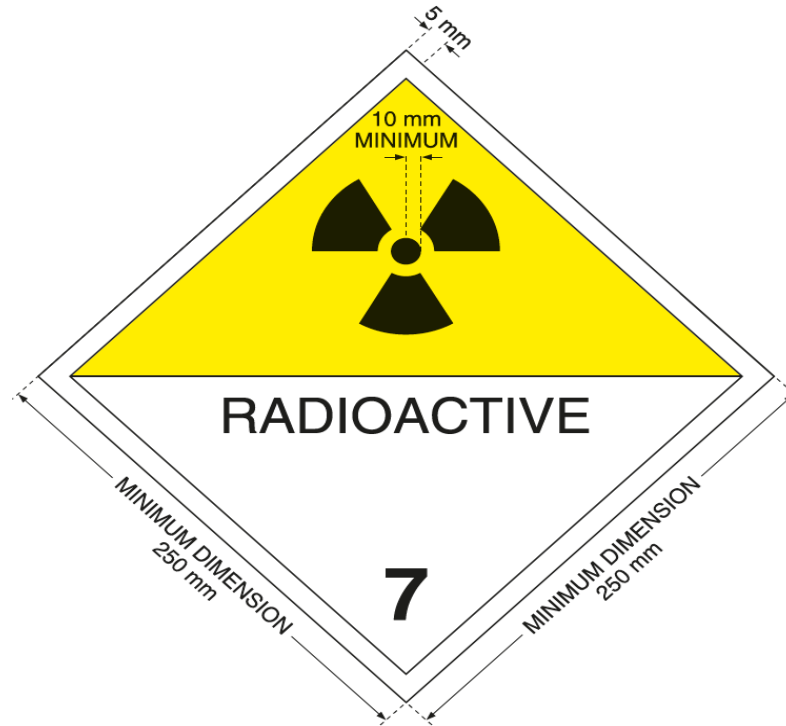
### PLACARDING

- 571 (continued)
- In the case of a *vehicle* without sides, the placards may be affixed directly on the cargo carrying unit provided that they are readily visible. In the case of large *tanks* or *freight containers*, the placards on the *tanks* or *freight containers* shall suffice. In the case of *vehicles* that have insufficient area to allow the fixing of larger placards, the dimensions of the placard described in Fig. 6 may be reduced to 100 mm. Any placards that do not relate to the contents shall be removed.



# SSR-6 Marking, Labelling, and Placarding of transport vehicle

## PLACARD



- FIG. 6. Placard. Except as permitted by para. 571, minimum dimensions shall be as shown; when different dimensions are used, the relative proportions must be maintained. The number "7" shall not be less than 25 mm high. The background colour of the upper half of the placard shall be yellow and of the lower half white, the colour of the trefoil and the printing shall be black. The use of the word "RADIOACTIVE" in the bottom half is optional, to allow the alternative use of this placard to display the appropriate UN number for the consignment.*

## SSR-6 Marking, Labelling, and Placarding of transport vehicle

- Dose rate at contact with package or overpack
- Dose rate at 1 m from package or overpack
- Contamination wipe results from the package or overpack
- Dose rate on contact and 2 m from plane of vehicle (for exclusive use only) Don't forget the drivers cab.
- Placards

